Performance Data Sheet

AJE2433ZXA

General Information

Model	AJE2433ZXA	**Refrigerant**	R-404A
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	100V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-40	Watts (Capacity)	573	430	294	166
	Watts (Power)	521	505	467	406
	Amps	7.03	6.85	6.52	6.01
-35	Watts (Capacity)	797	624	458	301
	Watts (Power)	604	612	597	560
	Amps	7.66	7.71	7.59	7.32
-30	Watts (Capacity)	1070	855	651	456
	Watts (Power)	689	721	731	718
	Amps	8.38	8.65	8.76	8.70
-25	Watts (Capacity)	1380	1130	876	634
	Watts (Power)	778	834	867	878
	Amps	9.18	9.67	10.0	10.2
-23.3	Watts (Capacity)	1500	1230	960	701
	Watts (Power)	809	873	914	933
	Amps	9.47	10.0	10.4	10.7
-20	Watts (Capacity)	1760	1440	1140	842
	Watts (Power)	870	950	1010	1040
	Amps	10.1	10.8	11.3	11.7
-15	Watts (Capacity)	2190	1810	1440	1080
	Watts (Power)	965	1070	1150	1210
	Amps	11.0	12.0	12.7	13.3
-10	Watts (Capacity)	2680	2230	1790	1360
	Watts (Power)	1060	1190	1300	1380
	Amps	12.1	13.2	14.2	15.1

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.770030E+03	6.094133E+02	8.641071E+00	
C2	1.909660E+02	6.910299E+00	1.180509E-01	
C3	-6.346880E+01	2.537481E+01	2.174176E-01	
C4	2.060730E+00	6.256912E-02	1.653734E-03	
C5	-1.877720E+00	4.767790E-01	4.437193E-03	
C6	8.819040E-03	-1.125034E-01	-8.185790E-04	
C7	6.306660E-03	0.000000E+00	0.000000E+00	
C8	-1.684500E-02	0.000000E+00	0.000000E+00	
C9	2.290300E-04	0.000000E+00	0.000000E+00	
C10	2.835000E-04	0.000000E+00	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AJE2433ZXA

General Information

Model	AJE2433ZXA	**Refrigerant**	R-404A
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-40	Watts (Capacity)	665	499	341	193
	Watts (Power)	633	602	542	453
	Amps	6.41	6.11	5.57	4.80
-35	Watts (Capacity)	925	724	532	350
	Watts (Power)	731	729	698	638
	Amps	7.17	7.13	6.85	6.34
-30	Watts (Capacity)	1240	992	755	529
	Watts (Power)	835	862	860	829
	Amps	8.01	8.23	8.21	7.96
-25	Watts (Capacity)	1610	1310	1020	736
	Watts (Power)	946	1000	1030	1030
	Amps	8.94	9.42	9.66	9.66
-23.3	Watts (Capacity)	1750	1430	1110	814
	Watts (Power)	984	1050	1090	1090
	Amps	9.27	9.84	10.2	10.3
-20	Watts (Capacity)	2040	1670	1320	977
	Watts (Power)	1060	1150	1200	1230
	Amps	9.95	10.7	11.2	11.4
-15	Watts (Capacity)	2540	2100	1670	1260
	Watts (Power)	1180	1300	1380	1440
	Amps	11.0	12.0	12.8	13.3
-10	Watts (Capacity)	3110	2590	2080	1580
	Watts (Power)	1310	1450	1570	1650
	Amps	12.2	13.5	14.5	15.3

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.693234E+03	8.077518E+02	8.101197E+00	
C2	2.215206E+02	1.118143E+01	1.213700E-01	
C3	-7.362380E+01	3.029272E+01	2.592379E-01	
C4	2.390447E+00	1.190234E-01	1.656117E-03	
C5	-2.178155E+00	5.793822E-01	5.173420E-03	
C6	1.023009E-02	-1.459315E-01	-1.176476E-03	
C7	7.315725E-03	0.000000E+00	0.000000E+00	
C8	-1.954020E-02	0.000000E+00	0.000000E+00	
C9	2.656748E-04	0.000000E+00	0.000000E+00	
C10	3.288600E-04	0.000000E+00	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature